

--An exemplary tag library for sorting is shown below (SEQ ID NO:1 and SEQ ID NO:27).

Left Primer (SEQ ID NO:28)

Bsp 120I

5' -AGAATTCGGGCCTTAATTAA

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5' -AGAATTCGGGCCTTAATTAA- [<sup>4</sup>(A, G, T)<sub>8</sub>] -GGGCCC-  
TCTTAAGCCCGGAATTAATT- [<sup>4</sup>(T, C, A)<sub>8</sub>] -CCCGGG-

↑  
Eco RI

↑  
Pac I

Bbs I

BamHI

-GCATAAGTCTTCXXX . .XXXGGATCCGAGTGAT-3'

-CGTATTCAGAAGXXX . .XXXCCTAGGCTCACTA

XXXXXCCTAGGCTCACTA-5'

Right Primer (SEQ ID NO:29)--

On page 44, please replace the paragraph starting on line 1 with the following:

--The sequences for the Q, N and M adaptors are as follows:

Q adaptor: 5' -ggtacagacatggaggtgcagactaaaa (SEQ ID NO:2)  
ccaugucuguaccuccacgucugauuuucuap;

N adaptor: 5' -tagtactcgtaatcagtgcttcaatgta (SEQ ID NO:3)  
atcatgagcattagtcacgaagttacatctap; and

M adaptor: 5' -gtctccacgtcttattctgt (SEQ ID NO:4)  
tgtgagaagcagaggtgcagaataagacaagcp.

The sequences of the primers used for PCR include:

Q.top (=Q primer): 5'-ggtacagacatggaggtgcagactaaaa (SEQ ID NO:5); N.top (=N primer):

5'-tagtactcgtaatcagtgcttcaatgta (SEQ ID NO:6); and Mn.amp (=M primer):

5'-cacactcttcgtctccacgtcttat (SEQ ID NO:7).--